



(12) **UK Patent** (19) **GB** (11) **2 384 807** (13) **C**

attached amendments allowed under  
Section 27 on 23 March 2005

(54) Title of the invention: **A method of extracting materials from a wellbore**

(51) Int Cl<sup>7</sup>: **E21B 43/10 43/14**

(21) Application No: **0308302.9**

(22) Date of Filing: **23.02.2000**

Date Lodged: **10.04.2003**

(30) Priority Data:  
(31) **60121702** (32) **25.02.1999** (33) **US**

(62) Divided from Application No  
**0004282.0** under Section 15(4) of the Patents  
Act 1977

(43) Date A Publication: **06.08.2003**

(52) UK CL (Edition V ):  
**E1F FLA FLW**

(56) Documents Cited:  
**GB 2343691 A**

(58) Field of Search:  
As for published application 2384807 A viz:  
**UK CL (Edition V ) E1F**  
**INT CL<sup>7</sup> E21B**  
Other: **EPODOC, WPI, JAPIO**  
updated as appropriate

(72) Inventor(s):

**Robert Lance Cook**  
**David Paul Brisco**  
**R Bruce Stewart**  
**Lev Ring**  
**Richard Carl Haut**  
**Robert D Mack**  
**Alan Duell**

(73) Proprietor(s):

**Shell Internationale Research**  
**Maatschappij B.V.**  
**(Incorporated in the Netherlands)**  
**Department IP/43 Carel Van Bylandtlaan**  
**30, 2596 HR The Hague, Netherlands**

(74) Agent and/or Address for Service:

**Haseltine Lake & Co**  
**Imperial House, 15-19 Kingsway,**  
**LONDON, WC2B 6UD, United Kingdom**

**BEST AVAILABLE COPY**

PATENTS ACT 1977  
SPECIFICATION NUMBER GB 2384807C

The following amendments were allowed under Section 27 on 23 March 2005.

Replaced page 188

The Patent Office  
04 April 2005

**BEST AVAILABLE COPY**

---

**CLAIMS**

1. A method of extracting materials from a producing subterranean zone in a wellbore, at least a portion of the wellbore including a casing, comprising:  
positioning one or more primary solid tubulars within the wellbore;  
fluidicly coupling the primary solid tubulars with the casing;  
positioning one or more slotted tubulars within the wellbore, the slotted tubulars traversing the producing subterranean zone;  
plastically deforming at least some of the tubulars within the wellbore;  
fluidicly coupling the slotted tubulars with the solid tubulars;  
fluidicly isolating the producing subterranean zone from at least one other subterranean zone within the wellbore;  
fluidicly coupling at least one of the slotted tubulars from the producing subterranean zone;  
overlapping at least some of the tubulars with other tubulars; and  
wherein the inside diameters of the non-overlapping portions of the overlapping tubulars are substantially equal.
2. A method as claimed in claim 1, further comprising controllably fluidicly decoupling at least one of the slotted tubulars from at least one other of the slotted tubulars.
3. A method as claimed in any of the preceding claims, further comprising placing a seal at an interface between the one or more primary solid tubulars and the one or more slotted tubulars.
4. A method as claimed in claim 3, the seal comprising a compressible annular body.
5. A method as claimed in any of the preceding claims, wherein at least one of the one or more primary solid tubulars comprises a thin - wall end portion.